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APPLICATION NO.	LICATION NO. FILING DATE FIRST NAMED I		ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/423,606	11/12/1999	KAZUTAKA HAYASHI	3114-0025-0X	6947	
22850	7590 11/14/2003	EXAMINER			
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. 1940 DUKE STREET			NOLAN, SANDRA M		
	IA, VA 22314	ART UNIT	PAPER NUMBER		
			1772		
			DATE MAILED: 11/14/2003	19	

Please find below and/or attached an Office communication concerning this application or proceeding.

				Cho	1/9				
		Application	n No.	Applicant(s)					
		09/423,606	3	HAYASHI ET AL.					
	Office Action Summary	Examiner		Art Unit					
		Sandra M.	Nolan	1772					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address									
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status									
,	Responsive to communication(s) filed on <u>20 August 2003</u> .								
,—	This action is FINAL . 2b) This action is non-final.								
3)	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Dispositi	ion of Claims								
 4) Claim(s) 1-3,6-21,23 and 24 is/are pending in the application. 4a) Of the above claim(s) 7-21 is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-3,6,23 and 24 is/are rejected. 7) Claim(s) 1 and 6 is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 									
Application Papers									
10)	The specification is objected to by the Examine The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Ex	epted or b)[drawing(s) be tion is require	e held in abeyance. See d if the drawing(s) is obj	37 CFR 1.85(a). ected to. See 37 C					
Priority under 35 U.S.C. §§ 119 and 120									
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 13) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78. The translation of the foreign language provisional application has been received. Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78. 									
Attachmen	nt(s)								
2) Notic	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449) Paper No(s) _	·	4) Interview Summary 5) Notice of Informal P 6) Other:	(PTO-413) Paper Notatent Application (PTo					

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DETAILED ACTION

Claims

1. Claims 1-3, 6-21 and 23-24 are pending. Claims 7-21 are withdrawn as nonelected.

Rejection Withdrawn

2. The 35 USC 103 rejection of claims 1-3, 5-6 and 22-23 as unpatentable over Hanson et al (US 5,328,975) in view of Morishima et al (US 5,271,768) and Terakawa (US 5,500,455) is withdrawn in order to apply the new ground of rejection below.

New Objections

3. Claims 1 and 6 are objected to because of the following informalities:
In claim 1, last line, there should be a period [.]. not a comma after "different".
In claim 6, line 2, after "or", the Greek symbol "γ" is missing.
Appropriate correction is required.

New Rejection

Claim Rejections - 35 USC § 103

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-3, 6 and 23-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hanson in view of Morishima and Terakawa for reasons of record.

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Response to Arguments

5. Applicant's arguments filed in the response dated 20 August 2003 (Paper No. 18) have been fully considered but they are not persuasive.

The arguments in Paper No. 18 will be responded to in the order in which they were presented.

Applicants assert, on page 9 of Paper No. 18, that Hanson teaches compounds of formula (1) in which R can be vinyl. The examiner agrees.

Applicants argue that since Hanson also says that since Hanson's R need not be polymerizable, it does not suggest the importance of a polymerizable group.

However, in the absence of convincing objective evidence to the contrary, one or ordinary skill is free to select any useful R groups for use in Hanson's compounds of formula (1). There is nothing on the record to demonstrate otherwise.

Applicants argue, on page 10, that Hanson does not teach the combination of compounds (1), (2) and (3).

However, Hanson teaches, that the R_xSi(OR')_{4-x} compound shown in its abstract may be one in which x may be zero and R' is an alkyl group. When these conditions exist, the compound in the abstract meets formula (2). Also, says that mixtures of alkoxy silanes can be used (col. 1, lines 56-57), and teaches the use of titanium alkoxides of applicants' formula (3) (see col. 2, lines 1-8). Thus, Hanson teaches all three of the compounds recited in claim 1.

On page 10, applicants argue that Hanson is coating light bulbs and semiconductors and therefore requires water.

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However, the claims do not exclude the use of water from the claimed coating agents. Applicants are arguing a limitation that is not recited in the claims.

On page 10, applicants argue that the Morishima compositions require a catalyst and their compositions do not.

However, the claims do not exclude catalysts. In fact, applicants' claim 3 calls for a "polymerization initiator". It appears that applicants are again arguing a limitation that they are not claiming.

On page 10, applicants argue that their invention used polymerization temperatures that are lower than those of Morishima.

However, the temperature limitations discussed are not before the examiner.

There are no process claims now under consideration.

On page 10, applicants argue that Morishima is coating light bulbs and semiconductors and therefore requires water.

However, the claims do not exclude the use of water from the claimed coating agents. Applicants are arguing a limitation that is not recited in the claims.

On page 10, applicants argue that correction fluids, such as those of Terakawa, are not coatings.

However, a material that is applied to paper to coat it, and thereby cover mistakes, is a coating.

On pages 10 and 11, applicants argue that Terakawa's correction fluids cannot produce a glassy film.

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However, Terakawa was cited to show the use of dispersants to keep pigments in dispersion, not for the nature of the coatings which employ the pigments and the dispersants. This is a combination rejection under 35 USC 103. It is improper to argue the teachings of one reference to the exclusion of the teachings of the others.

Also, the coatings of Hanson/Morishima can be deemed "glassy" because they are applied to glass substrates. Note applicants' discussion of light bulbs as substrates on page 10 of Paper No. 18.

On page 11, applicants argue that Terakawa requires the absence of water.

However, the claims under consideration do not require water.

On page 11, applicants argue that Terakawa, which requires water is not properly combinable with Hanson and Morishima, which do not.

However, the claims say nothing about the use of water and the Terakawa patent is not being used to show the reactive components of the coating, but merely the use of dispersants to keep fillers dispersed in the coatings until they are used.

Also, Terakawa is cited only to show the use of dispersants to keep pigments in dispersion. Applicants have not shown that the dispersing ability of the Terakawa dispersants would not function to keep pigments dispersed in the coatings of Hanson or Morishima.

It is noted that Hanson teaches pigments in its compositions. See the discussions of titania (col. 3, lines 11-15 and col. 6, lines 31 and 34) and silica (col. 6, line 34) therein.

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Final Rejection

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6. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time

policy as set forth in 37 CFR 1.136(a).

7. A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later

than SIX MONTHS from the mailing date of this final action.

Conclusion

Any inquiry concerning this communication should be directed to Sandra M.

Nolan, whose telephone number is 703/308-9545. The Examiner can normally be

reached on Monday through Thursday, from 6:30 am to 4:00 pm, Eastern Time.

If attempts to reach the Examiner by telephone are unsuccessful, her supervisor,

Harold Pyon, can be reached at 703/308-4251. The general fax number for the art unit

is 703/872-9306. The receptionist answers 703/308-0661.

S. M. Nolan

Patent Examiner

Technology Center 1700

SMN/smn 09423606(19) 10 November 2003